

AA2

Another aspect of the present invention is the antenna, wherein the bottom member is grounded as a ground conductor.

[Please replace the paragraph beginning at page 9, line 8, with the following:

AA3

Still another aspect of the present invention is the antenna, wherein the bottom member has a feeding point on a surface thereof.

[Please replace the paragraph beginning at page 9, line 11, with the following:

AA4

Yet another aspect of the present invention is the antenna, wherein the conductive member and the bottom member are connected to each other in a place other than the signal line the feeding point.

[Please replace the paragraph beginning at page 9, line 15, with the following:

AA5

Still yet another aspect of the present invention is the antenna, wherein the conductive member and the side member are connected to each other.

[Please replace the paragraph beginning at page 9, line 18, with the following:

AA6

A further aspect of the present invention is the antenna further comprising:

[Please replace the paragraph beginning at page 9, line 22, with the following:

AA7 A still further aspect of the present invention is the antenna, wherein the conductive member and the ceiling member are connected to each other electrically and/or mechanically.

[Please replace the paragraph beginning at page 10, line 3, with the following:

AA8 A yet further aspect of the present invention is the antenna, wherein the ceiling member and the side member are connected to each other electrically.

[Please replace the paragraph beginning at page 10, line 6, with the following:

AA9 A still yet further aspect of the present invention is the antenna, wherein the ceiling member has a periphery having a curved shape.

[Please replace the paragraph beginning at page 10, line 9, with the following:

AA10 An additional aspect of the present invention is the antenna, wherein the bottom member and/or the side member have openings.

[Please replace the paragraph beginning at page 10, line 12, with the following:

AA11 A still additional aspect of the present invention is the antenna, wherein the ceiling member has openings.

[Please replace the paragraph beginning at page 10, line 15, with the following:

AA12 A yet additional aspect of the present invention is the antenna, wherein the openings have means of adjusting their size.

[Please replace the paragraph beginning at page 10, line 18, with the following:

AA13 A still yet additional aspect of the present invention is the antenna, wherein, if it is assumed that a projection of the conductive member onto the bottom member is an origin point and the bottom member is arranged in an X-Y plane, the bottom member and the side member are symmetric with respect to a Z-Y plane, and the openings are symmetrically arranged with respect to a Z-Y plane.

[Please replace the paragraph beginning at page 11, line 1, with the following:

AA14 A supplementary aspect of the present invention is the antenna, wherein the bottom member and the side member are symmetric with respect to a Z-X plane, and the openings are symmetrically arranged with respect to a Z-X plane.

[Please replace the paragraph beginning at page 11, line 6, with the following:

AA15 A still supplementary aspect of the present invention is the antenna, comprising a dielectric member that has a permittivity higher than air and is provided in the space.

[Please replace the paragraph beginning at page 11, line 10, with the following:

AA16 A yet supplementary aspect of the present invention the antenna, wherein the dielectric member is provided at least so as to cover a part of the space which is not covered with the ceiling conductor.

[Please replace the paragraph beginning at page 11, line 14, with the following:

AA17 A still yet supplementary aspect of the present invention is the antenna, wherein the dielectric member fills the entire inside of the space.

[Please replace the paragraph beginning at page 11, line 17, with the following:

AA18 One aspect of the present invention the antenna, wherein the dielectric member has a via hole, and the side member consists of the via hole.

[Please replace the paragraph beginning at page 11, line 20, with the following:

AA19 Another aspect of the present invention is the antenna, further comprising at least one matching element which is arranged apart by a predetermined distance from the conductive member, wherein the matching element and the bottom member are connected to each other electrically.

[Please replace the paragraph beginning at page 12, line 3, with the following:

AA20 Still another aspect of the present invention is the antenna, wherein at least one of the matching elements is electrically connected to the conductive member.

Please replace the paragraph beginning at page 12, line 7, with the following:

AA21 Yet another aspect of the present invention is the antenna, wherein at least one of the matching elements is electrically connected to the ceiling member and/or the side member.

Please replace the paragraph beginning at page 12, line 11, with the following:

AA22 Still yet another aspect of the present invention is an arrangement method of antennas that is an arrangement method of the antennas, comprising a step of aligning and arranging the plural antennas in a manner to conform a direction for minimizing directivity of each of the antennas on a horizontal plane.

Please replace the paragraph beginning at page 12, line 17, with the following:

AA23 A further aspect of the present invention is an antenna device comprising:

all or part of a circuit for transmission and/or reception which is connected to the signal line while being arranged in the space.

Please replace the paragraph beginning at page 12, line 23, with the following:

AA24 A still further aspect of the present invention is the antenna device, further comprising a shielding member of covering all or part of the circuit, wherein the shielding member does not contact to the conductive member electrically.

Please replace the paragraph beginning at page 13, line 4, with the following:

AA25 A yet further aspect of the present invention is the antenna device, wherein the shielding member is formed as a concave portion that is each part of the bottom member and/or the side member; and

wherein all or part of the circuit is arranged in the concave portion.

Please replace the paragraph beginning at page 13, line 10, with the following:

AA26 A still yet further aspect of the present invention is the antenna device, further comprising a lid member which covers the concave portion and stores all or part of the circuit, wherein the lid member is electrically connected to the bottom member and/or the side member.

Please replace the paragraph beginning at page 13, line 15, with the following:

AA27 An additional further aspect of the present invention is the antenna device, wherein the circuit is constituted with a passive circuit.

Please replace the paragraph beginning at page 13, line 18, with the following:

AA28 A still additional further aspect of the present invention is the antenna device, wherein an active element is contained in the circuit.

Please replace the paragraph beginning at page 13, line 21, with the following:

AA29 A yet additional further aspect of the present invention is the antenna device, wherein a microwave circuit is contained in the circuit.

[Please replace the paragraph beginning at page 14, line 1, with the following:

AA30 A still yet additional aspect of the present invention is the antenna device, wherein an optical passive element is contained in the circuit.

056650 [Please replace the paragraph beginning at page 14, line 4, with the following:

AA31 A supplementary aspect of the present invention is the antenna device, wherein an optical active element is contained in the circuit.

056650 [Please replace the paragraph beginning at page 14, line 7, with the following:

AA32 A still supplementary aspect of the present invention is the antenna device, wherein the circuit has an IC.

[Please replace the paragraph beginning at page 14, line 10, with the following:

AA33 A yet supplementary aspect of the present invention is the antenna device wherein the circuit has such size that the circuit is hidden behind the ceiling member, when viewing the antenna device from the ceiling member, side in the direction perpendicularly to the ceiling member.

[Please replace the paragraph beginning at page 14, line 15, with the following:

AA34
A still yet supplementary aspect of the present invention is an array antenna device that is an array antenna device where the plural antenna devices are arrayed, wherein the circuits in the plural antenna devices each input or output the same signal.

Please replace the paragraph beginning at page 14, line 20, with the following:

AA35
Another aspect of the present invention is the array antenna device, wherein the circuit has a cartridge form so as to be detachable from the antenna.

Please replace the paragraph beginning at page 14, line 23, with the following:

AA36
Still another aspect of the present invention is the antenna device, wherein the circuit comprises plural sub-circuits having radio systems different from each other, and switching means of switching the connection between anyone of the sub-circuits an the antenna.

Please replace the paragraph beginning at page 15, line 4, with the following:

AA37
Yet another aspect of the present invention is the antenna device, wherein the circuit is arranged in the position that hides the circuit behind the ceiling member, when viewing the antenna device from the ceiling member side in the direction perpendicularly to the ceiling member.

Please replace the paragraph beginning at page 15, line 10, with the following:

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